

WHAT IS CLAIMED IS:

1. An ink jet printing method comprising the steps of:
- A) providing an ink jet printer that is responsive to digital data signals;
 - B) loading said printer with ink jet recording element comprising a support having thereon an image-receiving layer comprising inorganic particles and stabilizer particles, said stabilizer particles being free of any organic solvent and comprising greater than about 80% by weight of a water-insoluble antioxidant and having a mean particle size of greater than about 5 nm, said inorganic particles comprising greater than about 50% by weight of said image-receiving layer;
 - C) loading said printer with an ink jet ink composition; and
 - D) printing on said image-receiving layer using said ink jet ink composition in response to said digital data signals.

2. The recording element of Claim 1 which contains a base layer between said support and said image-receiving layer.

3. The recording element of Claim 2 wherein said base layer comprises inorganic particles and stabilizer particles, said stabilizer particles being free of any organic solvent and comprising greater than about 80% by weight of a water-insoluble antioxidant and having a mean particle size of greater than about 5 nm, said inorganic particles comprising greater than about 50% by weight of said base layer

4. The method of Claim 2 wherein said base layer also contains a binder in an amount of from about 5 to about 20 weight %.

5. The method of Claim 2 wherein said support is coated with said base layer and said image-receiving layer and is then calendered.

8. The method of Claim 1 wherein said image-receiving layer also contains a binder in an amount of from about 5 to about 20 weight %.

10. The method of Claim 8 wherein said binder is a core/shell latex.

11. The method of Claim 1 wherein said antioxidant comprises a substituted phenol, aromatic amine, piperidine-based amine, mercaptan, organic sulfide or organic phosphate.

12. The method of Claim 1 wherein said stabilizer particles have a mean size of from about 5 nm to 500 nm.

13. The method of Claim 1 wherein said image-receiving layer contains said stabilizer particles in an amount of from about 10 mg/m² to about 5 g/m².

14. The method of Claim 1 wherein said stabilizer particle also contains a dispersant or surfactant.

4B
B L

Sub
B1

15. The method of Claim 14 wherein said dispersant or surfactant is present in said stabilizer particle up to about 20% by weight.

ADD
B2

SECRET